Mob : 99457 44759

Shriya Construction and Consultancy

1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town, Bangalore - 560 064.

NO: YEL/PMC/MINI/Sand 01 **Date: 03/11/2020**

1. **Test report on Fine Aggregares:**

Sub: Testing of Fine Aggregates Sample Pertaining to IS: 383-1970 (Reaffirmed 2002).

Project: Name of work: : **"Construction of Compound gate to Mini Vidhana soudha and Construction of Auditoriums in Government first grade college and Bangla Government Higher Primary school and other developmental works in Kempegowda ward No. 01".**

Ref: Material Testing/PMC/20-21.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri. T K Shankarappa (M/s MESPC Infra Projects Pvt Ltd).

SIEVE ANALYSIS

Table 1.1

IS Sieve Size, mm	% Passing	IS: 383-1970 (Reaffirmed 2002). Percentage Passing			Result/ Remarks
		Zone I	Zone II	Zone III	
4.75mm	95.35	90-100	90-100	90-100	The Sample Conforms Grade II
2.36mm	82.65	60-95	75-100	85-100	
1.18 mm	86.25	30-70	55-90	75-100	
600 micr.	48.90	15.34	35-59	60-79	
300 mic.	23.40	5-20	8-30	12-40	
150 mic.	8.10	0-10	0-10	0-10	

SL No	Name of Tests	Sample	Result	Requirements as per IS: 383-1970 (Reaffirmed 2002).
1.	Bulking Of Sand	01	17.84%	NA
2.	Silt Content	-	.59%	Not more than 8%
3.	Specific Gravity	-	2.61	--

SHRIYA CONSTRUCTION AND CONSULTANCY

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Mob : 99457 44759

Shriya Construction and Consultancy

1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town, Bangalore - 560 064.

NO: YEL/PMC/MINI/CEM 01

Date: 03/11/2020

1. Test report on Cement:

Sub: Testing of 53 Grade Cement Sample Pertaining to IS: 12269-1987

Project: Name of work: **"Construction of Compound gate to Mini Vidhana soudha and Construction of Auditoriums in Government first grade college and Bangla Government Higher Primary school and other developmental works in Kempegowda ward No. 01".**

Ref: Material Testing/PMC/20-21.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency / contractor: Sri. T K Shankarappa (M/s MESPC Infra Projects Pvt Ltd.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BCMP, Bangalore - 92

PHYSICAL TESTS ON CEMENT

Grade Of Cement: 53, OPC

Table 1.1

SL No	Name of Tests	Result	As Per IS Requirements (IS 8112-1989)
1.	Initial Setting Time	160 Min	Shall Not be less than 30 Min
2.	Final Setting Time	270 Min	Shall Not be More than 600 Min
3.	Fineness (by dry sieve on IS 90 micron Seieve)	1.96 %	Not to Exceed 10.0 %
4.	Soundness Test by Lee-Chatelier's Method	2.13 mm	Shall not be more than 10 mm
5.	Compressive strength (3 days on average of 3 results	28.56 N/Sqmm	Shall not be less than 27 N /Sq mm

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1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town, Bangalore - 560 064.

NO: YEL-P/PMC/MINI/ Course Agg

Date: 03/11/2020

1. Test report on cement Concrete Cubes:

Sub: To conduct tests on Course Aggregates.

Project: Name of work: **"Construction of Compound gate to Mini Vidhana soudha and Construction of Auditoriums in Government first grade college and Bangla Government Higher Primary school and other developmental works in Kempegowda ward No. 01".**

Ref: Material Testing/PMC/20-21.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri. T K Shankarappa (M/s MESPC Infra Projects Pvt Ltd).

AE

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

1. Gradation Test

TEST RESULTS

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	**100.00**	100
45.00	**97.15**	95-100
26.50	**---**	-
22.40	**79.25**	60-80
11.20	**53.40**	40-60
4.75	**36.15**	25-40

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2.36	24.60	15-30
0.600	19.35	8-22
0.075	3.85	0-5

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)–1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	**27.86%**	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	**28.34%**	Not more than 35.0 %
3.	Water absorption, %	**0.42 %**	Not more than 2.0 %
4.	Plasticity Index, %	**NP**	Not more than 6.0 %

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1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town, Bangalore - 560 064.

NO: YEL-P/PMC/MINI/ Fe 500 Date: 15/11/2020

RESULTS OF PHYSICAL PROPERTIES OF TMT STEEL

SPECIMENS 8,10 AND 12MM DIA

Project: Name of work: **"Construction of Compound gate to Mini Vidhana soudha and Construction of Auditoriums in Government first grade college and Bangla Government Higher Primary school and other developmental works in Kempegowda ward No. 01".**

Ref: Material Testing/PMC/20-21.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri. T K Shankarappa (M/s MESPC Infra Projects Pvt Ltd).

Grade of Steel: Fe 500

Technical Ref: IS 1786:2008, IS 1608:2005, IS 1599:1985(Reaffirmed-2006).

Asst. Executive Engineer Yelahanka Division Zone-92 BBMP Bangalore

Table

	Grade	Nominal Size of Rebar (Dia)	Mass (KG/meter)	Tensile Strength		
				20% Proof Stress / Yeild Stress (N/mm2)	Tensile Strength (N/mm2)	Elongation Percent on gauge Length
1.	Fe 500	10mm	.65	543	559	14.10
2.	Fe 500	12mm	.84	563	574	14.50
3.	Fe 500	16mm	1.58	570	581	15.50

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1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town, Bangalore - 560 064.

NO: YEL-P/PMC/MINI/BLOCKS

Date: 03/12/2021

1. Test report on cement Concrete Blocks:

Sub: Testing of concrete– Compressive Strength) As Per IS (Part I) 2185

Project: Name of work: **"Construction of Compound gate to Mini Vidhana soudha and Construction of Auditoriums in Government first grade college and Bangla Government Higher Primary school and other developmental works in Kempegowda ward No. 01".**

Ref: Material Testing/PMC/20-21.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri. T K Shankarappa (M/s MESPC Infra Projects Pvt Ltd).

AE Assistant Executive Engineer Yelahanka Projects Division BBMP, Bangalore - 92

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 400x150x200mm

Table 1.1

SL No	Location	Date of casting	Date of Testing	C/S Area mm2	Age	Load KN	Compressive Strength-N/mm2	Average
1.	Pilaster	NA	03/12/2021	60000	NA	496	8.27	7.74
2.		"	"	"	"	454	7.71	
3.		"	"	"	"	475	7.99	
4.		"	"	"	"	399	6.62	
5.		"	"	"	"	466	7.77	
6.		"	"	"	"	484	8.12	

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1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town, Bangalore - 560 064.

NO: YEL-P/PMC/MINI/BLOCKS Date: 11/12/2021

1. Test report on cement Concrete Blocks:

Sub: Testing of concrete– Compressive Strength) As Per IS (Part I)

Project: Name of work: **"Construction of Compound gate to Mini Vidhana soudha and Construction of Auditoriums in Government first grade college and Bangla Government Higher Primary school and other developmental works in Kempegowda ward No. 01".**

Ref: Material Testing/PMC/20-21.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri. T K Shankarappa (M/s MESPC Infra Projects Pvt Ltd).

AE

Asst Executive Engineer
Projects Division
Yelahanka Zone
BBMP Bangalore - 92

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 400x150x200mm

Table 1.1

SL No	Location	Date of casting	Date of Testing	C/S Area mm2	Age	Load KN	Compressive Strength-N/mm2	Average
1.	Pilaster	NA	11/12/2021	60000	NA	458	7.63	7.38
2.		"	"	"	"	471	7.85	
3.		"	"	"	"	430	7.16	
4.		"	"	"	"	405	6.75	
5.		"	"	"	"	444	7.4	
6.		"	"	"	"	450	7.5	

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Shriya Construction and Consultancy

1143, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town, Bangalore - 560 064.

NO YEL-P/PMC/MINI/ M20 Date: 17/12/2021

1. Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days = Compressive strength)

Project: Name of work: **"Construction of Compound gate to Mini Vidhana soudha and Construction of Auditoriums in Government first grade college and Bangla Government Higher Primary school and other developmental works in Kempegowda ward No. 01",**

Ref: Material Testing/PMC/20-21.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri. T K Shankarappa (M/s MESPC Infra Projects Pvt Ltd).

Assistant Executive Engineer Yelahanka Division Yelahanka Zone BBMP, Bangalore - 92

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of specimens: 150x150x150mm
Grade of concrete: **M20**

Table 1.1

Sl. No	Location	Date of castin g	Date of Testing	C/S Area mm2	Age	Load KN	Compressi ve Strength- N/mm2	Average
1.	Pilaster and Footing Concrete	10/12 /2020	17/12/2 021	22500	7	390	17.33	18.15
2.		"	"	"	"	425	18.88	
3.		"	"	"	"	410	18.22	
4.		"	"	"	"	426	18.90	
5.		"	"	"	"	400	18.04	
6.		"	"	"	"	395	17.55	

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1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town, Bangalore - 560 064.

NO: YEL-P/PMC/MINI/ M20 Date: 07/01/2021

1. Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Project: Name of work: **"Construction of Compound gate to Mini Vidhana soudha and Construction of Auditoriums in Government first grade college and Bangla Government Higher Primary school and other developmental works in Kempegowda ward No. 01".**

Ref: Material Testing/PMC/20-21.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri. T K Shankarappa (M/s MESPC Infra Projects Pvt Ltd).

Assistant Executive Engineer Yelahanka Projects Division Yelahanka Zone BBMP, Bangalore - 92

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm
Grade of concrete: **M20**

Table 1.1

SL No	Location	Date of casting	Date of Testing	C/S Area mm2	Age	Load KN	Compressive Strength-N/mm2	Average
1.	Pilaster and Footing Concrete	10/12/2020	07/01/2021	22500	28	510	22.66	22.51
2.		"	"	"	"	545	24.22	
3.		"	"	"	"	490	21.77	
4.		"	"	"	"	505	22.40	
5.		"	"	"	"	531	23.60	
6.		"	"	"	"	482	21.40	

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1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town, Bangalore - 560 064.

NO YEL-P/PMC/MINI/ M20 Date: 26/12/2021

1. Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Project: Name of work: **"Construction of Compound gate to Mini Vidhana soudha and Construction of Auditoriums in Government first grade college and Bangla Government Higher Primary school and other developmental works in Kempegowda ward No. 01".**

Ref: Material Testing/PMC/20-21.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri. T K Shankarappa (M/s MESPC Infra Projects Pvt Ltd)

Assistant Executive Engineer Yelahanka Projects Division Yelahanka Zone BBMP, Bangalore - 92

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimensions of Specimens: 150x150x150mm

Grade of Concrete: **M20**

Table 1.1

SL No	Location	Date of casting	Date of Testing	C/S Area mm2	Age	Load KN	Compressive Strength-N/mm2	Average
1.	Pilaster and Column Concrete	19/12/2020	26/12/2020	22500	7	399	17.73	18.62
2.		"	"	"	"	418	18.57	
3.		"	"	"	"	427	18.97	
4.		"	"	"	"	461	20.48	
5.		"	"	"	"	410	18.22	
6.		"	"	"	"	400	17.77	

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Shriya Construction and Consultancy

1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town, Bangalore - 560 064.

NO: YEL-P/PMC/MINI/ M20

Date: 16/01/2021

1. Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days – Compressive Strength)

Project: Name of work: **"Construction of Compound gate to Mini Vidhana soudha and Construction of Auditoriums in Government first grade college and Bangla Government Higher Primary school and other developmental works in Kempegowda ward No. 01".**

Ref: Material Testing/PMC/20-21.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri. T K Shankarappa (M/s MESPC Infra Projects Pvt Ltd).

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

RESULTS OF COMPRESSIVE STRENGHT OF CONCRETE CUBES

CUBE SPECIMENS

Dimentions of Specimens: 150x150x150mm
Grade of concrete: **M20**

Table 1.1

SL No	Location	Date of casting	Date of Testing	C/S Area mm2	Age	Load KN	Compressive Strength-N/mm2	Average
1.	Pilaster and Column Concrete	19/12/2020	16/01/2021	22500	28	518	23.02	23.71
2.		"	"	"	"	532	23.6	
3.		"	"	"	"	541	24.04	
4.		"	"	"	"	529	23.51	
5.		"	"	"	"	535	23.77	
6.		"	"	"	"	548	24.30	

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Shriya Construction and Consultancy

1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town, Bangalore - 560 064.

NO: YEL/PMC/MINI/CEM 01 Date: 23/01/2021

1. Test report on Cement:

Sub: Testing of 53 Grade Cement Sample Pertaining to IS: 12269-1987

Project: Name of work: **"Construction of Compound gate to Mini Vidhana soudha and Construction of Auditoriums in Government first grade college and Bangla Government Higher Primary school and other developmental works in Kempegowda ward No. 01".**

Ref: Material Testing/PMC/20-21.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri. T K Shankarappa (M/s MESPC Infra Projects Pvt Ltd).

AE received

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 64

PHYSICAL TESTS ON CEMENT

Grade Of Cement: 53 OPC

Table 1.1

SL No	Name of Tests	Result	As Per IS Requirements (IS 8112-1989)
1.	Initial Setting Time	162 Min	Shall Not be less than 30 Min
2.	Final Setting Time	273 Min	Shall Not be More than 600 Min
3.	Fineness (by dry sieve on IS 90 micron Seieve)	1.95 %	Not to Exceed 10.0 %
4.	Soundness Test by Lee-Chatelier's Method	2.16 mm	Shall not be more than 10 mm
5.	Compressive strength (3 days on average of 3 results	28.50 N/Sqmm	Shall not be less than 27 N /Sq mm

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Shriya Construction and Consultancy

1133, 3rd Floor, 3rd Stage, 'B' Cross, Yelahanka New Town, Bangalore - 560 064.

NO: YEL/PMC/MINI/Sand 01 Date: 23/01/2021

1. Test report on Fine Aggregares:

Sub: Testing of Fine Aggregates Sample Pertaining to IS: 383-1970 (Reaffirmed 2002).

Project: Name of work: : **"Construction of Compound gate to Mini Vidhana soudha and Construction of Auditoriums in Government first grade college and Bangla Government Higher Primary school and other developmental works in Kempegowda ward No. 01".**

Ref: Material Testing/PMC/20-21.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri. T K Shankarappa (M/s MESPC Infra Projects Pvt Ltd).

AE Executive Engineer Projects Division Yelahanka Zone BBMP, Bangalore

SIEVE ANALYSIS

Table 1.1

IS Sieve Size, mm	% Passing	IS: 383-1970 (Reaffirmed 2002). Percentage Passing			Result/ Remarks
		Zone I	Zone II	Zone III	
4.75mm	95.30	90-100	90-100	90-100	The Sample Conforms Grade II
2.36mm	89.65	60-95	75-100	85-100	
1.18 mm	86.25	30-70	55-90	75-100	
600 micr.	48.90	15.34	35-59	60-79	
300 mic.	23.40	5-20	8-30	12-40	
150 mic.	8.10	0-10	0-10	0-10	

SL No	Name of Tests	Sample	Result	Requirements as per IS: 383-1970 (Reaffirmed 2002).
1.	Bulking Of Sand	01	17.84%	NA
2.	Silt Content	-	.59%	Not more than 8%
3.	Specific Gravity	-	2.61	--

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